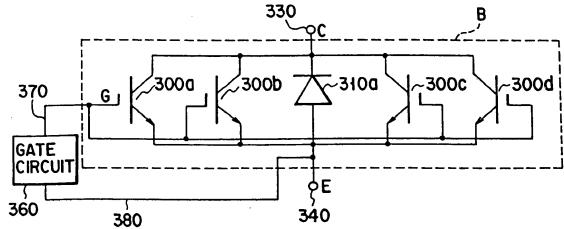
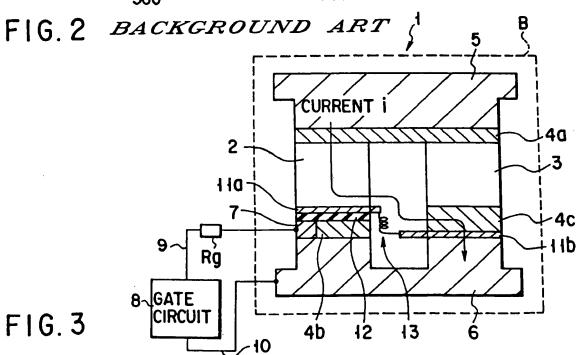


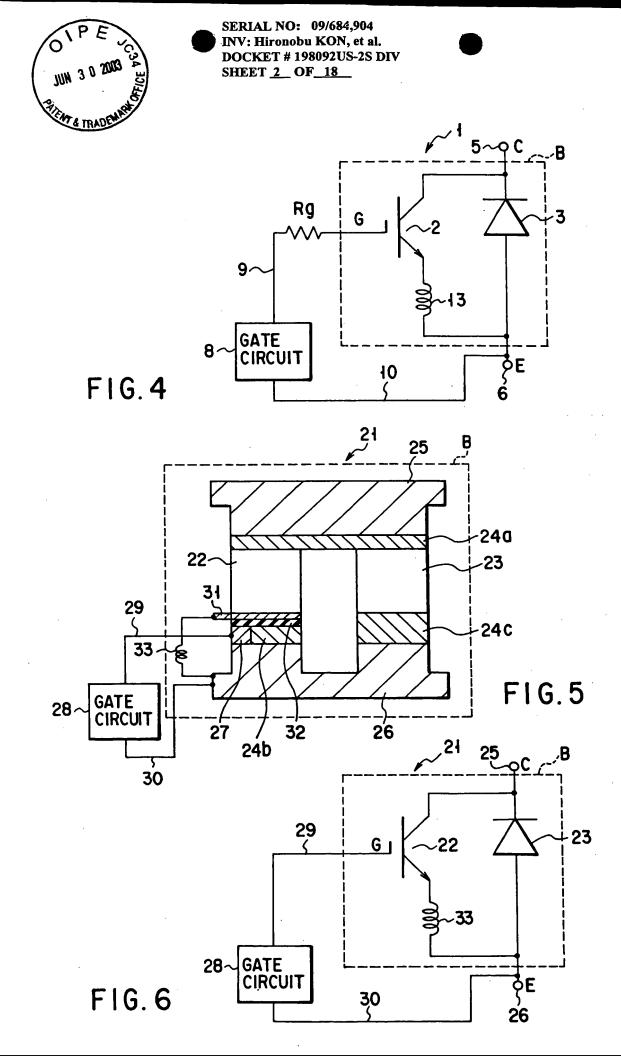
SERIAL NO: 09/684,904
INV: Hironobu KON, et al.
DOCKET # 198092US-2S DIV
SHEET 1 OF 18

330 300d 300a 300b 300c 3100 \_320a 370 3500 350d¦ GATE CIRCUIT 32Ób 320d 320e 350b 320c 350c 320f 340 360 380

FIG. | BACKGROUND ART

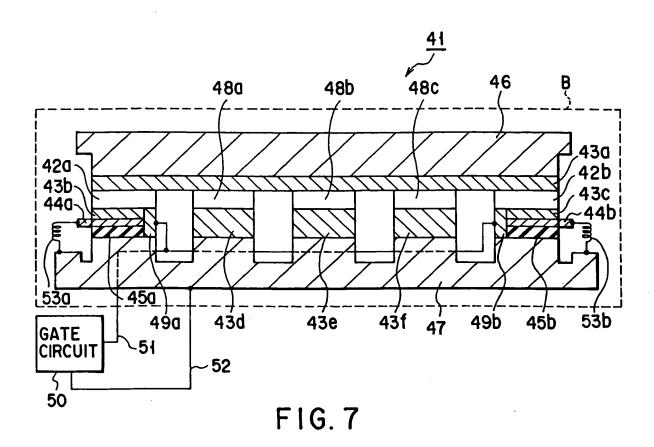








SERIAL NO: 09/684,904 INV: Hironobu KON, et al. DOCKET # 198092US-2S DIV SHEET 3 OF 18



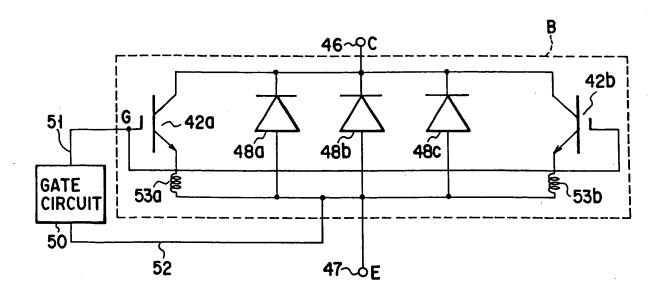
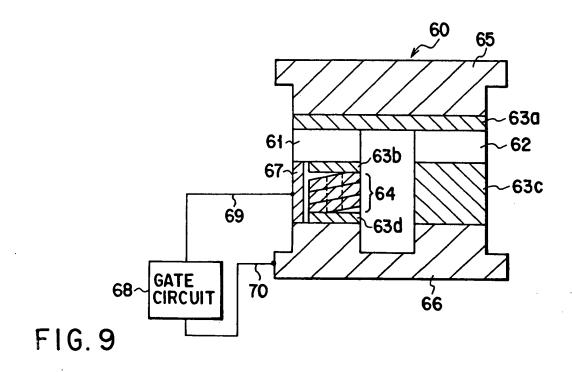


FIG. 8



SERIAL NO: 09/684,904 INV: Hironobu KON, et al. **DOCKET # 198092US-2S DIV** 

SHEET 4 OF 18



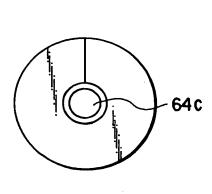


FIG. 10A

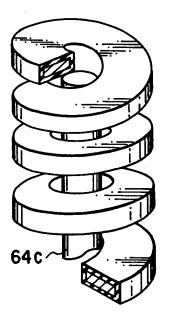
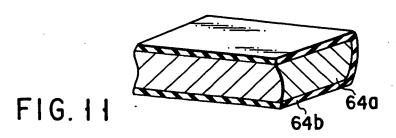
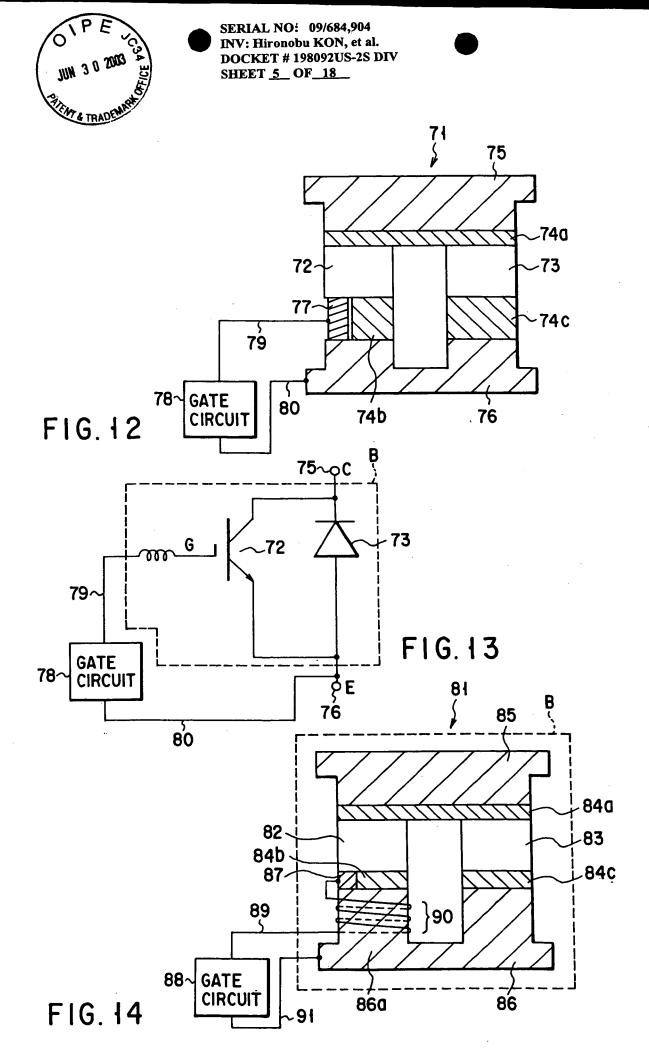
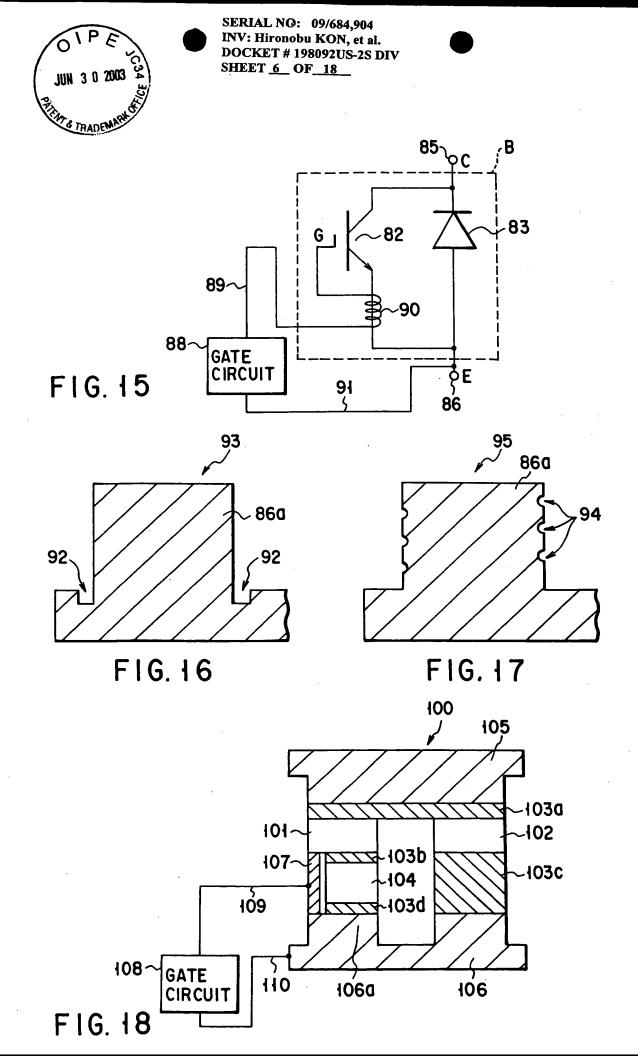


FIG. 10B









SERIAL NO: 09/684,904 INV: Hironobu KON, et al. DOCKET # 198092US-2S DIV SHEET 7 OF 18

104b 1040

FIG. 19

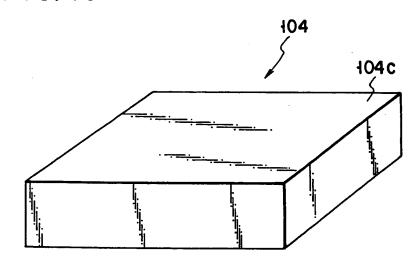


FIG. 20

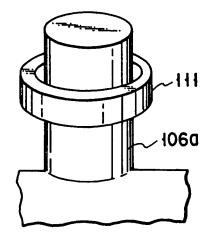
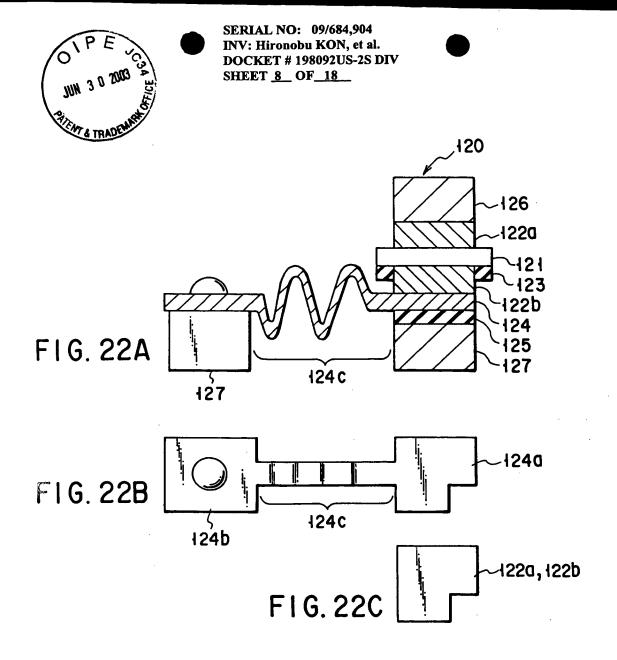
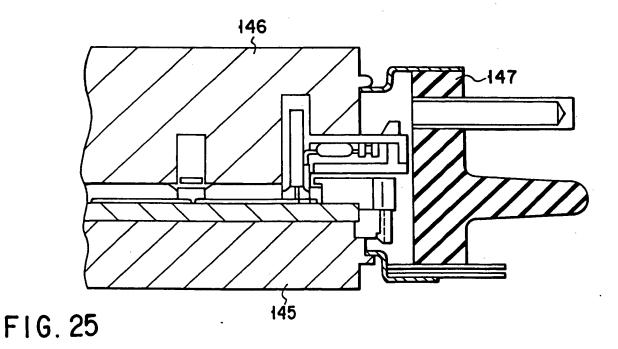
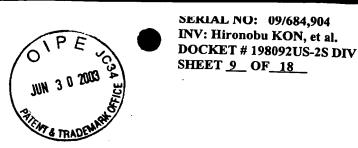


FIG. 21







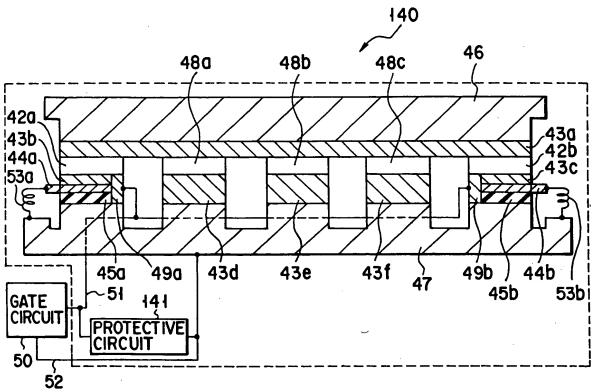


FIG. 23

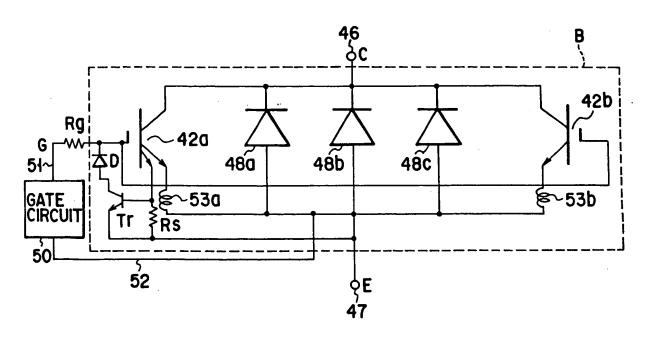
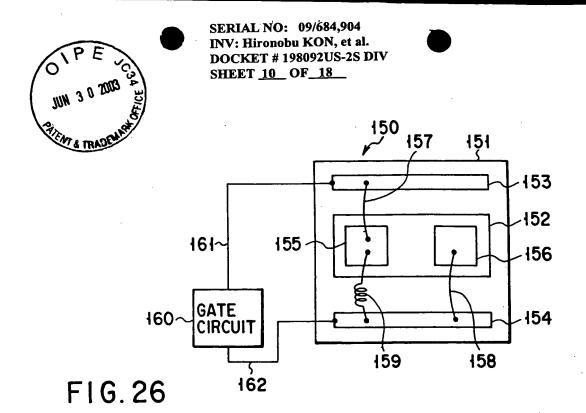
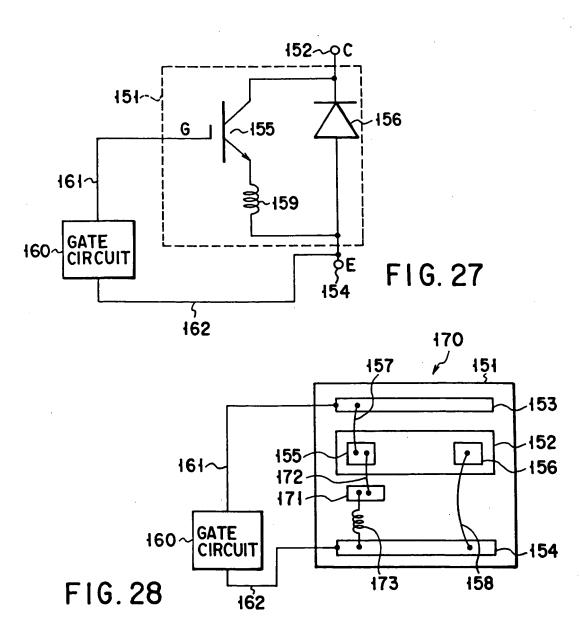
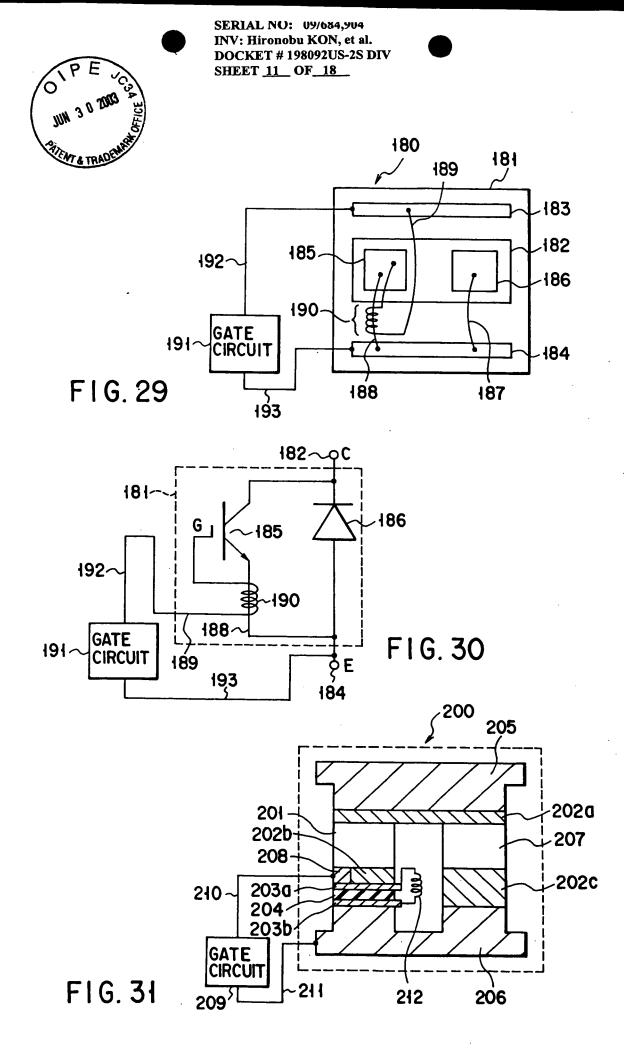
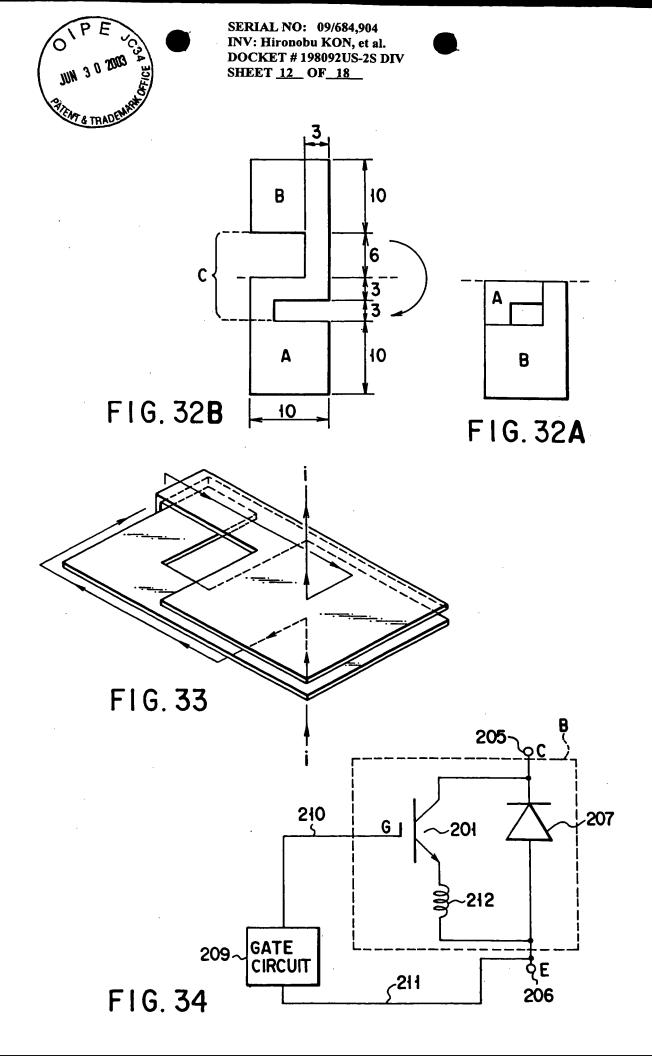


FIG. 24











52

SERIAL NO: 09/684,904 INV: Hironobu KON, et al. DOCKET # 198092US-2S DIV SHEET 13 OF 18

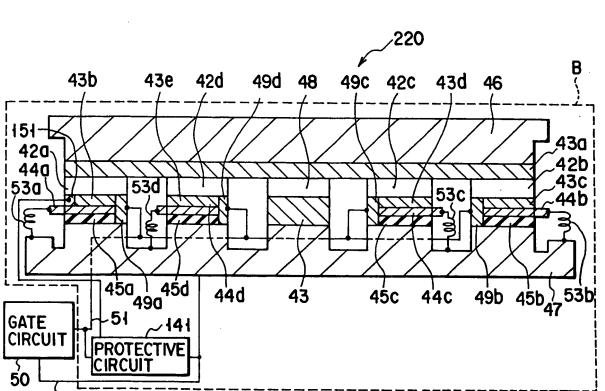


FIG. 35

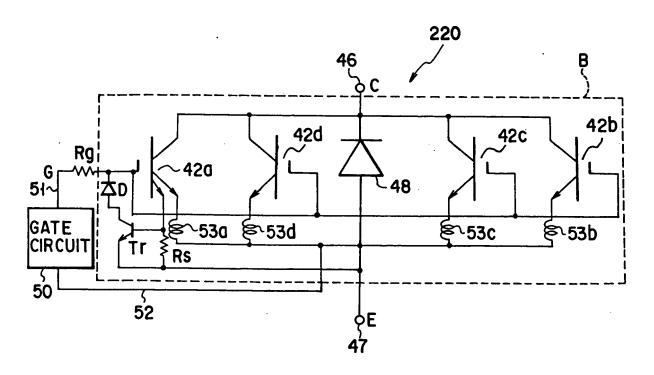
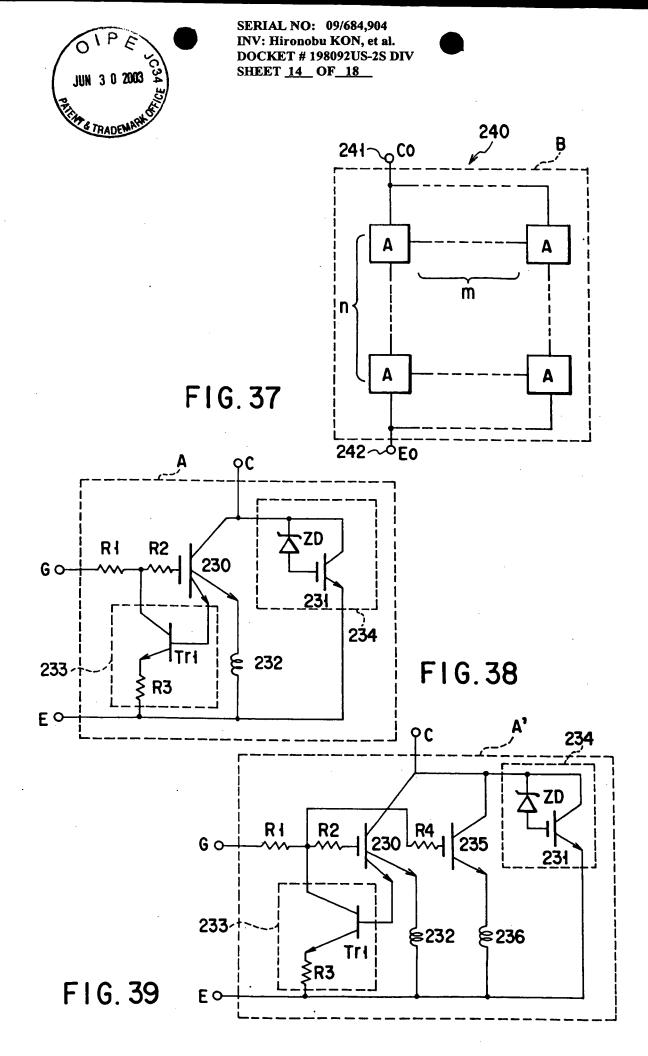


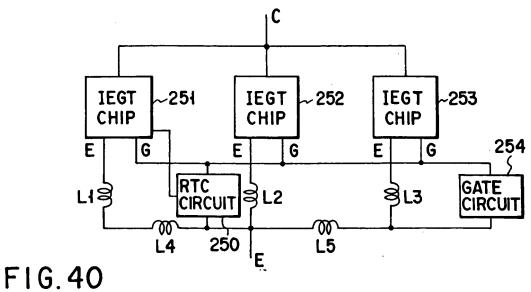
FIG. 36

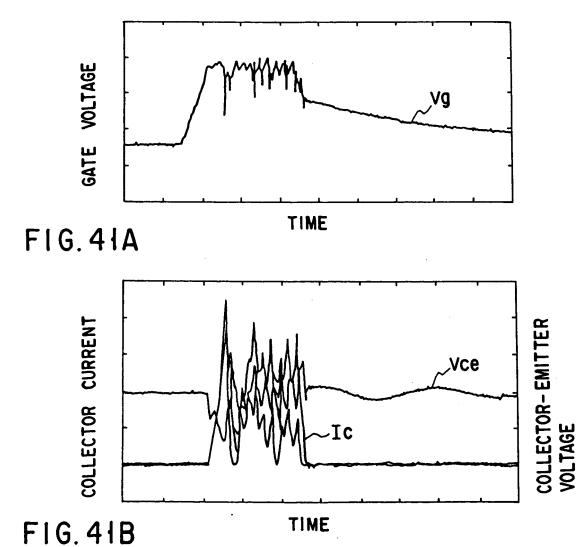




SERIAL NO: 09/684,904 INV: Hironobu KON, et al. DOCKET # 198092US-2S DIV SHEET 15 OF 18

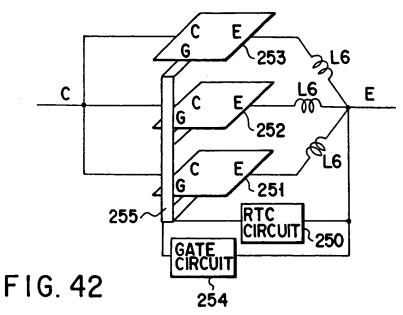








SERIAL NO: 09/684,904 INV: Hironobu KON, et al. DOCKET # 198092US-2S DIV SHEET 16 OF 18



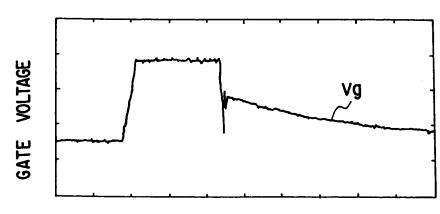
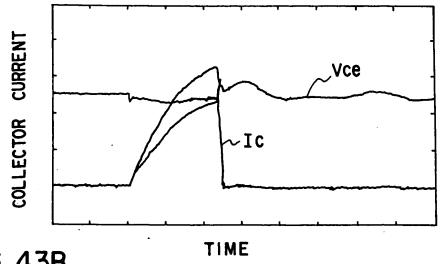


FIG. 43A

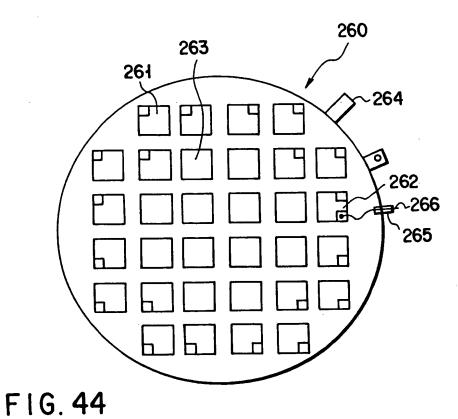


F1G. 43B

COLLECTOR-EMITTER VOLTAGE



SERIAL NO: 09/684,904 INV: Hironobu KON, et al. DOCKET # 198092US-2S DIV SHEET <u>17</u> OF <u>18</u>



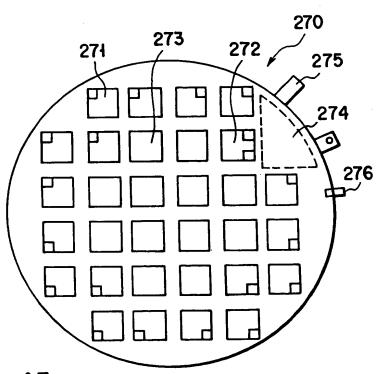


FIG. 45



SERIAL NU: U9/084,904 INV: Hironobu KON, et al. **DOCKET # 198092US-2S DIV** SHEET <u>18</u> OF <u>18</u>

